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**1 Modeling of products sale velocity and products recommended structure on the basis of a data reduction method**

*Pasichnyk, R.; Maslyyak, B.; Vitsentiy, V.;*

Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, International Workshop on, 2001. , 1-4 July 2001

Pages:238 - 241

[Abstract] [PDF Full-Text (248 KB)] IEEE CNF

**2 Making RAD work for your project**

*Boehm, B.;*

Computer , Volume: 32 , Issue: 3 , March 1999

Pages:113 - 114, 117

[Abstract] [PDF Full-Text (216 KB)] IEEE JNL

**3 Doing business on the Net**

*Donner, I.H.;*

Computer , Volume: 29 , Issue: 8 , Aug. 1996

Pages:85 - 86

[Abstract] [PDF Full-Text (428 KB)] IEEE JNL

**4 Design and implementation of Yi Chang production-sales computer system based on CIMS structure**

*Wang Xiao-dong; Zheng Ying-gen; Liu Quan-li; Wang Wei;*

Intelligent Control and Automation, 2002. Proceedings of the 4th World Congress on , Volume: 4 , 10-14 June 2002

Pages:2627 - 2630 vol.4

[Abstract] [PDF Full-Text (434 KB)] IEEE CNF

**5 Making products usable: closing the gap between what products can do and what users know how to do with them**

*Grice, R.A.; Ridway, L.S.;*  
Professional Communication Conference, 1991. IPCC '91. Proceedings. 'The Engineered Communication', International ; Volume: 1 & 2 , 30 Oct.-1 Nov. 1991  
Pages:462 - 467 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) [IEEE CNF](#)

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**6 What is a manufacturer's EMC obligation?**

*Braxton, T.E.;*  
Electromagnetic Compatibility, 1990. Symposium Record. 1990 IEEE International Symposium on , 21-23 Aug. 1990  
Pages:507 - 512

[\[Abstract\]](#) [\[PDF Full-Text \(304 KB\)\]](#) [IEEE CNF](#)

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**7 The influence of organisational factors on the success and quality of a product-line architecture**

*Jaktman, C.B.;*  
Software Engineering Conference, 1998. Proceedings. 1998 Australian , 9-13 Nov. 1998  
Pages:2 - 11

[\[Abstract\]](#) [\[PDF Full-Text \(80 KB\)\]](#) [IEEE CNF](#)

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**8 Trust in electronic commerce: definition and theoretical considerations**

*Kini, A.; Choobineh, J.;*  
System Sciences, 1998., Proceedings of the Thirty-First Hawaii International Conference on , Volume: 4 , 6-9 Jan. 1998  
Pages:51 - 61 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(136 KB\)\]](#) [IEEE CNF](#)

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**9 Mutual recognition agreements for product sales into the European Union**

*Green, D.R.M.;*  
Electromagnetic Compatibility, 1994. Symposium Record. Compatibility in the Loop. IEEE International Symposium on , 22-26 Aug. 1994  
Pages:183 - 185

[\[Abstract\]](#) [\[PDF Full-Text \(228 KB\)\]](#) [IEEE CNF](#)

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**10 Virtual space decision support system (VSDSS) and the production/sales unification system applied to it**

*Imamura, K.; Nomura, J.; Ohata, H.; Schultz, R.J.;*  
Robot and Human Communication, 1992. Proceedings., IEEE International Workshop on , 1-3 Sept. 1992  
Pages:263 - 268

[\[Abstract\]](#) [\[PDF Full-Text \(448 KB\)\]](#) [IEEE CNF](#)

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**11 Micropayments: An idea whose time has passed twice?**

*Lesk, M.;*  
Security & Privacy Magazine, IEEE , Volume: 2 , Issue: 1 , Jan.-Feb. 2004  
Pages:61 - 63

[\[Abstract\]](#) [\[PDF Full-Text \(207 KB\)\]](#) [IEEE JNL](#)

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**12 Short term operation and power exchange planning of hydro-thermal power systems**

*Rakic, M.V.; Markovic, Z.M.;*

Power Systems, IEEE Transactions on , Volume: 9 , Issue: 1 , Feb. 1994

Pages:359 - 365

[Abstract] [PDF Full-Text (592 KB)] IEEE JNL

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**13 On a corporate e-commerce system design and implementation**

*Qing-bian Zhang; Li-fang Zhang; Smari, W.W.; Seung-yun Kim;*

Information Reuse and Integration, 2003. IRI 2003. IEEE International Conference on , 27-29 Oct. 2003

Pages:330 - 337

[Abstract] [PDF Full-Text (589 KB)] IEEE CNF

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**14 Forecasting MEMS: a disruptive innovation**

*Linton, J.D.; Walsh, S.T.;*

Management of Engineering and Technology, 2001. PICMET '01. Portland International Conference on , Volume: 1 , 29 July-2 Aug. 2001

Pages:211 vol.1

[Abstract] [PDF Full-Text (65 KB)] IEEE CNF

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**15 Activity analysis of trade firm by IDEF0-methodology**

*Duraeva, O.; Dmitrieva, E.; Tsapko, G.;*

Science and Technology, 2001. KORUS '01. Proceedings. The Fifth Russian-Korean International Symposium on , Volume: 1 , 26 June-3 July 2001

Pages:75 - 77 vol.1

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Relevance scale **1 Response Time Analysis of Multiprocessor Computers for Database Support**

Roger K. Shultz, Roy J. Zingg

March 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 1Full text available: .pdf(2.27 MB) Additional Information: full citation, abstract, references, citing, index terms

Comparison of three multiprocessor computer architectures for database support is made possible through evaluation of response time expressions. These expressions are derived by parameterizing algorithms performed by each machine to execute a relational algebra query. Parameters represent properties of the database and components of the machines. Studies of particular parameter values exhibit response times for conventional machine technology, for low selectivity, high duplicate occurrence, ...

**2 Threshold pivoting for dense LU factorization on distributed memory multiprocessors**

Joel Malard

August 1991 **Proceedings of the 1991 ACM/IEEE conference on Supercomputing**Full text available: .pdf(726.12 KB) Additional Information: full citation, references, index terms**3 Commercially available Ada design language/CASE products-updates only**

Judy Kerner

July 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 4Full text available: .pdf(508.31 KB) Additional Information: full citation, index terms**4 TclPro v1.1**

Daniel Lazenby

June 1999 **Linux Journal**Full text available: .html(10.04 KB) Additional Information: full citation, index terms**5 The use of simulation in evaluating international competitiveness in broiler production**Conrado M. Gempesaw, Fe Zinnia R. Albay, J. Richard Bacon, Jeff Corman, Shankar Narayanan  
 December 1994 **Proceedings of the 26th conference on Winter simulation**Full text available: .pdf(754.32 KB) Additional Information: full citation, references, index terms

## **6 Session: Agile techniques to avoid firefighting at a start-up**

Joseph A. Blotner

November 2002 **OOPSLA 2002 Practitioners Reports**

Full text available:  pdf(187.60 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper documents the creation and evolution of the (modified) agile methodology implemented at Sabrix, Inc., a start-up enterprise-class software company. The company was delivering alpha quality software to early adopter customers on a weekly basis, using urgency as the primary driver for product development. New features and bug fixes were completed in a manner similar to a soccer game between two teams of five-year-olds, with everyone on the team chasing down the latest emergency. This pa ...

**Keywords:** SDLC, agile methodology, development process, start-up company

## **7 Software domain modeling and meta-modeling: Performance evaluation of domain reference architectures**

K. Suzanne Barber, Jim Holt, Geoff Baker

July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering**

Full text available:  pdf(276.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Architectures embody the requirements expressed by system stakeholders, and the type of architecture used to capture a given set of requirements dictates when evaluation can occur and what will be evaluated. This research aims to leverage requirements and a resulting architecture dictated by the problem domain and captured early in the lifecycle. Thus, the research goal is to provide early performance evaluation in an effort to convey the most accurate blueprint to system implementers specifical ...

**Keywords:** performance, software architecture

## **8 An overview of portable GUI software**

Wade Guthrie

January 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 1

Full text available:  pdf(1.90 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This article attempts to bring together as much information as possible concerning platform-independent Graphical User Interface (PIGUI) development kits. It is based on a FAQ list (answers to Frequently Answered Questions) maintained and periodically updated as a service to the net by the author. What is presented here is a number of tables summarizing available PIGUI's, followed by descriptions of the individual products, with reviews and users' comments where possible.

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**1 Commercially available Ada design language/CASE products-updates only**

Judy Kerner

July 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 4

Full text available: [pdf\(508.31 KB\)](#)

Additional Information: [full citation](#), [index terms](#)



**2 TclPro v1.1**

Daniel Lazenby

June 1999 **Linux Journal**

Full text available: [html\(10.04 KB\)](#) Additional Information: [full citation](#), [index terms](#)



**3 The use of simulation in evaluating international competitiveness in broiler production**

Conrado M. Gempesaw, Fe Zinnia R. Albay, J. Richard Bacon, Jeff Corman, Shankar Narayanan

December 1994 **Proceedings of the 26th conference on Winter simulation**

Full text available: [pdf\(754.32 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



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**Keywords:** SDLC, agile methodology, development process, start-up company

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K. Suzanne Barber, Jim Holt, Geoff Baker



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**7 Towards an integrated maintenance advisor**

P. Hayes, J. Pepper

November 1989 **Proceedings of the second annual ACM conference on Hypertext**

Full text available: [pdf\(767.20 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**8 Streaming 1: Stream enhancements for the CORBA event service**

Desmond Chambers, Gerard Lyons, Jim Duggan

October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Full text available: [pdf\(519.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a number of enhancements for the standard CORBA Event Service. The basic service definition has been extended to support stream events, multimedia data flows, event fragmentation, quality of service definition, as well as multicast event delivery. The paper evaluates the service performance and describes experiences using the enhanced service in the development of a test application.

**Keywords:** CORBA, events, groupware and multicast, multimedia, objects, services, streams

**9 SuperLU\_DIST: A scalable distributed-memory sparse direct solver for unsymmetric linear systems**

Xiaoye S. Li, James W. Demmel

June 2003 **ACM Transactions on Mathematical Software (TOMS)**, Volume 29 Issue 2

Full text available: [pdf\(659.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present the main algorithmic features in the software package SuperLU\_DIST, a distributed-memory sparse direct solver for large sets of linear equations. We give in detail our parallelization strategies, with a focus on scalability issues, and demonstrate the software's parallel performance and scalability on current machines. The solver is based on

sparse Gaussian elimination, with an innovative static pivoting strategy proposed earlier by the authors. The main advantage of static pivoting o ...

**Keywords:** Sparse direct solver, distributed-memory computers, parallelism, scalability, supernodal factorization

**10 Case study of the methodology of J. D. Warnier to design structured programs as systems documentation**

R. Escalona

May 1984 **Proceedings of the 3rd annual international conference on Systems documentation**

Full text available:  pdf(263.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is well known that a programmer's main idea is to generate results, but these are often only partially done. Generally, they want to finish the program well to document it afterwards; however, they never do so. Sometimes they are assigned to a new project, and they expect to have an opportunity to document what they have written at a later date. Other times, programmers have their own ideas, like ownership or professional secrets, and so on and so forth, but the truth is, few programmers ...

**11 Experience with D-BUS architecture for a design automation framework**

E. C. VanHorn, R. R. Rezac

June 1989 **Proceedings of the 1989 26th ACM/IEEE conference on Design automation conference**

Full text available:  pdf(683.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The complexity of computer product development has increased dramatically, because of the large volume of data, and the need to integrate sophisticated CAE/CAD/CAM/CIM tools. Since any system to address this need must evolve over time, Digital Equipment Corporation chose to develop the D-BUS architecture for internal use as a design automation framework. The architecture stresses approaches to information management for integration of tools and organizations. Experience indicates that the a ...

**12 A finite and real-time processor for natural language**

Glenn D. Blank

October 1989 **Communications of the ACM**, Volume 32 Issue 10

Full text available:  pdf(2.10 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

People process natural language in real time and with very limited short-term memories. This article describes a computational architecture for syntactic performance that also requires fixed finite resources.

**13 Optimal matrix algorithms on homogeneous hypercubes**

G. C. Fox, W. Furmanski, D. W. Walker

January 1989 **Proceedings of the third conference on Hypercube concurrent computers and applications - Volume 2**

Full text available:  pdf(1.42 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a set of concurrent algorithms for matrix algebra, based on a library of collective communication routines for the hypercube. We show how a systematic application of scattering reduces load imbalance. A number of examples are considered (Gaussian elimination, Gauss-Jordan matrix inversion, the power method for eigenvectors, and tridiagonalisation by Householder's method), and the concurrent efficiencies are discussed.

**14 Recursive blocked algorithms for solving triangular systems—Part II: two-sided and generalized Sylvester and Lyapunov matrix equations**

Isak Jonsson, Bo Kågström

December 2002 **ACM Transactions on Mathematical Software (TOMS)**, Volume 28 Issue 4

Full text available:  pdf(203.14 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We continue our study of high-performance algorithms for solving triangular matrix equations. They appear naturally in different condition estimation problems for matrix equations and various eigenspace computations, and as reduced systems in standard algorithms. Building on our successful recursive approach applied to one-sided matrix equations (Part I), we now present novel recursive blocked algorithms for two-sided matrix equations, which include matrix product terms such as  $AXB^T$

**Keywords:** *GEMM-based, LAPACK, Matrix equations, SLICOT, SMP parallelization, automatic blocking, generalized Sylvester and Lyapunov, level-3 BLAS, recursion, standard discrete-time Sylvester and Lyapunov, superscalar*

**15 Web-based tools, systems and environments: Software configuration, distribution, and deployment of web-services** 

Rainer Anzöck, Schahram Dustdar, Harald Gall

July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering**

Full text available:  pdf(519.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Web-Services can be seen as a newly emerging distributed computing model for the Web. They cater for the need to establish business-to-business (B2B) interactions on the Web. Web-Services consider a loosely coupled component model encapsulating business logic and interact with other components using XML protocols. Based on one case study, this paper discusses architectural issues and requirements for software configuration, distribution, and deployment of web-services.

**Keywords:** software architecture, software distribution environments, web-services

**16 Software/modelware tutorials I: Arena: the Arena product family: enterprise modeling solutions** 

Vivek Bapat, Nancy Swets

December 2000 **Proceedings of the 32nd conference on Winter simulation**

Full text available:  pdf(1.42 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper introduces the Arena suite of products for modeling, simulation, and optimization highlighting product architecture and technology features that are targeted toward successful deployment of simulation and Arena throughout an enterprise.

**17 Making sparse Gaussian elimination scalable by static pivoting** 

Xiaoye S. Li, James W. Demmel

November 1998 **Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  pdf(279.24 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We propose several techniques as alternatives to partial pivoting to stabilize sparse Gaussian elimination. From numerical experiments we demonstrate that for a wide range of problems the new method is as stable as partial pivoting. The main advantage of the new method over partial pivoting is that it permits *a priori* determination of data structures and communication pattern for Gaussian elimination, which makes it more scalable on distributed memory machines. Based on this *a priori*

**Keywords:** *2-D matrix decomposition, MPI, iterative refinement, sparse unsymmetric linear systems, static pivoting*

**18 Software: recommendations for an export control policy** 

Charles L. Gold, Seymour E. Goodman, Benjamin G. Walker

April 1980 **Communications of the ACM**, Volume 23 Issue 4

Full text available:  pdf(967.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The control of computer technology exports, for both hardware and software, is being actively debated in government and industry circles. At the request of the U.S. Department of Defense, the Computer Network Critical Technology Expert Group (CNCTEG) was established with the support of the Electronics Industries Association and the Computer Business Equipment Manufacturers Association. The task of the CNCTEG was to assess critical technologies associated with computer networks, and to make ...

**Keywords:** critical technologies, export controls, military applications of computers, software, technology transfer

**19 Linux and Open Source in the academic enterprise**

Mike Davis, Will O'Donovan, John Fritz, Carlisle Childress

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**

Full text available:  pdf(472.54 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** Beowulf, Linux, commodity hardware, open source

**20 Velocis Beta-3.0 Database Server**

Avygdor Moise

March 2000 **Linux Journal**

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**21 Extending case-based reasoning by discovering and using image features in IVF** 

Igor Jurisica, Janice Glasgow

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing**

Full text available:  pdf(862.40 KB) Additional Information: full citation, references, index terms

**Keywords:** case-based and image-based reasoning, image-feature extraction, in-vitro fertilization (IVF), knowledge discovery

**22 A cost-benefit decision model: analysis, comparison and selection of data management** 

Stanley Y. W. Su, Jozo Dujmovic, D. S. Batory, S. B. Navathe, Richard Elnicki  
 September 1987 **ACM Transactions on Database Systems (TODS)**, Volume 12 Issue 3

Full text available:  pdf(3.29 MB) Additional Information: full citation, abstract, references, index terms

This paper describes a general cost-benefit decision model that is applicable to the evaluation, comparison, and selection of alternative products with a multiplicity of features, such as complex computer systems. The application of this model is explained and illustrated using the selection of data management systems as an example. The model has the following features: (1) it is mathematically based on an extended continuous logic and a theory of complex criteria; (2) the decisi ...

**23 Modelling software process change for cooperative work** 

Y. Sun

April 1994 **Proceedings of the 1994 ACM symposium on Applied computing**

Full text available:  pdf(531.56 KB) Additional Information: full citation, references, index terms

**Keywords:** Petri net, change, cooperation, object-oriented method

**24 Linux Means Business** 

Bernie Thompson

June 1999 **Linux Journal**

Full text available:  html(21.93 KB) Additional Information: full citation, abstract, index terms

Making Money in the Bazaar: A look at the business models in use today and how they work

**25 Response Time Analysis of Multiprocessor Computers for Database Support**

Roger K. Shultz, Roy J. Zingg

March 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 1Full text available:  [pdf\(2.27 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Comparison of three multiprocessor computer architectures for database support is made possible through evaluation of response time expressions. These expressions are derived by parameterizing algorithms performed by each machine to execute a relational algebra query. Parameters represent properties of the database and components of the machines. Studies of particular parameter values exhibit response times for conventional machine technology, for low selectivity, high duplicate occurrence, ...

**26 From the outside in: how to become part of the internal team**

Meredith Blackwelder

October 1999 **Proceedings of the 17th annual international conference on Computer documentation**Full text available:  [pdf\(316.80 KB\)](#)Additional Information: [full citation](#), [abstract](#), [index terms](#)

As a writer for Monterey Technologies, Inc. (MTI), my role in the Consumer Information Design (CID) group at the Indianapolis-based Thomson Consumer Electronics facility functions differently than that of the in-house documentation specialist. After a brief history of my and my company's relationship with Thomson, this paper presents methods I employ to establish myself as part of the internal documentation team.

**Keywords:** Monterey Technologies, Thomson Consumer Electronics, barriers, contractor, documentation, inside, relationship

**27 A lifecycle process for the effective reuse of commercial off-the-shelf (COTS) software**

Christine L. Braun

May 1999 **Proceedings of the 1999 symposium on Software reusability**Full text available:  [pdf\(949.66 KB\)](#)Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** COTS, architectures, life-cycle process, product lines, reuse

**28 A design framework for Internet-scale event observation and notification**

David S. Rosenblum, Alexander L. Wolf

November 1997 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th European conference held jointly with the 5th ACM SIGSOFT international symposium on Foundations of software engineering**, Volume 22 Issue 6Full text available:  [pdf\(1.58 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** Internet, design, distributed systems, events, software engineering

**29 A review of the APL2000 users conference: 23–25 October 1996**

Ray Polivka

December 1996 **ACM SIGAPL APL Quote Quad**, Volume 27 Issue 2Full text available:  [pdf\(258.04 KB\)](#)Additional Information: [full citation](#), [index terms](#)**30 The right tool for the job: a quest for the perfect authoring package**

Jeffrey N. Agnew, George A. Palmer  
November 1992 **Proceedings of the 10th annual international conference on Systems documentation**

Full text available:  pdf(652.54 KB) Additional Information: [full citation](#), [index terms](#)

**31 A generalized envelope method for sparse factorization by rows**

Joseph W. H. Liu

March 1991 **ACM Transactions on Mathematical Software (TOMS)**, Volume 17 Issue 1

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A generalized form of the envelope method is proposed for the solution of large sparse symmetric and positive definite matrices by rows. The method is demonstrated to have practical advantages over the conventional column-oriented factorization using compressed column storage or the multifrontal method using full frontal submatrices.

**Keywords:** elimination tree, envelope method, factorization by rows, sparse matrices

**32 Threshold pivoting for dense LU factorization on distributed memory multiprocessors**

Joel Malard

August 1991 **Proceedings of the 1991 ACM/IEEE conference on Supercomputing**

Full text available:  pdf(726.12 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

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